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For receivi	ingdce use only
International Application No.	
International Filing Date	27 DEC 200\$
Name of receiving Office and	"PCT International Application"

REQUEST The undersigned requests that the present international application be processed according to the Patent Cooperation Treaty. Applicant's or agent's file reference (if desired) (12 characters maximum) A/N-1010/901/961 TITLE OF INVENTION Box No. I Improvement in a process for obtaining of bulk monocrystalline gallium-containing nitride **APPLICANT** This person is also inventor Box No. II Name and address: (Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country. The country of the address indicated in this Box is the applicant's State (that is, country) of residence if no State of residence is indicated below.) Telephone No. (+48 22) 811 06 58 Facsimile No. AMMONO Sp. z o.o. (+48 22) 811 06 58 CZERWONEGO KRZYZA 2/31 Teleprinter No. 00-377 WARSZAWA POLAND Applicant's registration No. with the Office State (that is, country) of nationality: State (that is, country) of residence: PL all designated all designated States except the United States of America the United States the States indicated in This person is applicant States of America only the Supplemental Box for the purposes of: FURTHER APPLICANT(S) AND/OR (FURTHER) INVENTOR(S) Box No. III Name and address: (Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country. The country of the address indicated in this Box is the applicant's State (that is, country) of residence if no State of residence is indicated below.) This person is: applicant only NICHIA CORPORATION applicant and inventor 491 OKA inventor only (If this check-box is marked, do not fill in below.) KAMINAKA-CHO, ANAN-SHI TOKUSHIMA-KEN, 77-8601 Applicant's registration No. with the Office **JAPAN** State (that is, country) of nationality: State (that is, country) of residence: JP JP the United States This person is applicant all designated States except the United States of America the States indicated in all designated for the purposes of: States of America only the Supplemental Box Further applicants and/or (further) inventors are indicated on a continuation sheet. AGENT OR COMMON REPRESENTATIVE; OR ADDRESS FOR CORRESPONDENCE The person identified below is hereby/has been appointed to act on behalf of the applicant(s) before the competent International Authorities as: common agent representative Name and address: (Family name followed by given name; for a legal entity, full official designation. Telephone No. The address must include postal code and name of country.) (+48 22) 652 90 54 MALEWSKA, EWA Facsimile No. Klaudyny 32/299 (+48 22) 652 90 54 01-684 Warszawa, Poland Teleprinter No. (postal address: P.O.Box 613, 00-950 WARSZAWA 1, PL) Agent's registration No. with the Office Address for correspondence: Mark this check-box where no agent or common representative is/has been appointed and the space above is used instead to indicate a special address to which correspondence should be sent.

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Sheet No	
Sheet IVO	~

Continuation of Box No. III FURTHER APPLICANT(S) AND/OR (FURTHER) INVENTOR(S)					
If none of the following sub-boxes is used, this sheet should no	t be included in the request.				
Name and address: (Family name followed by given name; for a legal entity. The address must include postal code and name of country. The country of the Box is the applicant's State (that is, country) of residence if no State of residence DWILINSKI, Robert Zgrupowania Zmija 23/12 01-875 Warszawa Poland	e address indicated in this				
State (that is, country) of nationality: PL	State (that is, country) of residence:				
This person is applicant all designated all designated for the purposes of:	the United States attes of America only the States indicated in the Supplemental Box				
Name and address: (Family name followed by given name; for a legal entity. The address must include postal code and name of country. The country of the Box is the applicant's State (that is, country) of residence if no State of residence. DORADZINSKI, Roman Belgradzka 4/115 02-793 Warszawa Poland	e address indicated in this				
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This person is applicant all designated all designate	d States except tates of America only the States indicated in the Supplemental Box				
Further applicants and/or (further) inventors are indicated on another continuation sheet.					

		Sho	et No. 3	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
Continuation of Box N		ER APPLICAN	Γ(S) AND/OR (FIII	RTHER) INVENTOR(S)
If none of the following	sub-boxes is use	d, this sheet shou	ld not be included	in the request
Name and address: (Fam The address must include por Box is the applicant's State (i KANBARA, Yasu Oohara Kusunor Nagaike-Cho, Ar Tokushima-Ken,	iily nume followed by s stal code and name of that is, country) of resi UO Me 8 Banti no nan-Shi	given name: for a leg f country. The countr dence if no State of re	al entity full official dos	This person is: applicant only applicant and inventor inventor only (If this check-box is marked, do not fill in below.)
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This person is applicant for the purposes of:	all designate States	ed all design	nated States except d States of America	the United States of America only the States indicated in the Supplemental Bo
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Box No	. V DESIGNATION OF STATE	Mark the applicable check-boxes below; at least one must be marked.				
The fol	The following designations are hereby made under Rule 4.9(a):					
	nal Patent					
_	ARIPO Patent: GH Ghana, G SL Sierra Leone, SZ Swaziland, T State which is a Contracting State	I Gambia, KE Kenya, LS Lesotho, MW Malawi, MZ Mozambique, SD Sudan, United Republic of Tanzania, UG Uganda, ZM Zambia, ZW Zimbabwe, and any other of the Harare Protocol and of the PCT (if other kind of protection or treatment desired.				
⊠ EA	Eurasian Patent: AM Armenia, A	Z Azerbaijan, BY Belarus, KG Kyrgyzstan, KZ Kazakhstan, MD Republic of Moldova, an, TM Turkmenistan, and any other State which is a Contracting State of the Eurasian				
EP	Republic, DE Germany, DK DenniE Ireland, IT Italy, LU Luxembor	Belgium, BG Bulgaria, CH & LI Switzerland and Liechtenstein, CY Cyprus, CZ Czechark, EE Estonia, ES Spain, FI Finland, FR France, GB United Kingdom, GR Greece, g, MC Monaco, NL Netherlands, PT Portugal, SE Sweden, SI Slovenia, SK Slovakia, this a Contracting State of the European Patent Convention and of the PCT				
	OAPI Patent: BF Burkina Faso, GA Gabon, GN Guinea, GQ Equa TD Chad, TG Togo, and any other of protection or treatment desired, s	J Benin, CF Central African Republic, CG Congo, CI Côte d'Ivoire, CM Cameroon, orial Guinea, GW Guinea-Bissau, ML Mali, MR Mauritania, NE Niger, SN Senegal, state which is a member State of OAPI and a Contracting State of the PCT (if other kind ecify on dotted line)				
Nation	al Patent (if other kind of protection	or treatment desired, specify on dotted line):				
	United Arab Emirates					
AG AG	Antigua and Barbuda	HR Croatia				
X AL	Albania	HU Hungary PH Philippines				
M AM	Armenia:	ID Indonesia				
X AT	Austria	IL Israel PT Portugal				
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	Germany					
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	Ecuador	MG Madagascar				
		MK The former Yugoslav Republic of Z UZ Uzbekistan				
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	United Kingdom	MWMalawi YU Yugoslavia				
1	Grenada	MX Mexico				
₩ GE	Georgia	MZ Mozambique				
⊠ GH	Ghana	NO Norway ZW Zimbabwe				
Check-	boxes below reserved for designating	tates which have become party to the PCT after issuance of this sheet:				
□		□				
□		J				
Precau	tionary Designation Statement: In	ddition to the designations made above, the applicant also makes under Rule 4.9(b) all				
other de	esignations which would be permitted	under the PCT except any designation(s) indicated in the Supplemental Box as being applicant declares that those additional designations are subject to confirmation and that				

any designation which is not confirmed before the expiration of 15 months from the priority date is to be regarded as withdrawn by the applicant at the expiration of that time limit. (Confirmation (including fees) must reach the receiving Office within the 15-month time limit.)

Box No. VI PRIORITY	CLAIM			
The priority of the following	earlier application(s) is hereb	by claimed:		
Filing date Number		V	Where earlier application	is:
of earlier application (day/month/year)	of earlier application	national application: country or Member of WTO	regional application:* regional Office	international application: receiving Office
item (1) 26 June 2002 (26.06.02)	P-354740	PL		
item (2) 11 December 2002 (11.12.02)	P-357697	PL		·
item (3)				·
item (4)				
item (5)				
Further priority claims a	are indicated in the Supplement	ntal Box.	·	
The receiving Office is reque if the earlier application was f above as:	ested to prepare and transmit t filed with the Office which for t	to the International Bureau the purposes of this interna	a certified copy of the entional application is the r	arlier application(s) (only ecciving Office) identified
all items item (1) item (2)	item (3) item	(4) item (5)	other, see Supplemental Box
* Where the earlier application Industrial Property or one Me	on is an ARIPO application, in ember of the World Trade Org	ndicate at least one country ganization for which that e	party to the Paris Conve earlier application was fil	ntion for the Protection of ed (Rule 4.10(b)(ii)):
Box No. VII INTERNAT	IONAL SEARCHING AUT	THORITY		
Choice of International Sea international search, indicate	rching Authority (ISA) (if to the Authority chosen: the two-	wo or more International S -letter code may be used):	earching Authorities are	competent to carry out the
ISA /				• • • • • • • • • • • • • • • • • • • •
	rlier search; reference to th	hat search (if an earlier se	earch has been carried ou	t by or requested from the
Date (day/month/year)	Numb	er Coun	try (or regional Office)	
Box No. VIII DECLARAT	IONS			
The following declarations a	are contained in Boxes Nos.	VIII (i) to (v) (mark the a	pplicable	Number of ,
check-boxes below and indica	te in the right column the num	ber of each type of declar		declarations
Box No. VIII (i)	Declaration as to the identity	y of the inventor		:
Box No. VIII (ii)	Declaration as to the applic date, to apply for and be gr	•	e international filing	:
Box No. VIII (iii)	Declaration as to the applied date, to claim the priority of		ne international filing	:
Box No. VIII (iv)	Declaration of inventorship United States of America)	o (only for the purposes of	the designation of the	:
Box No. VIII (v)	Declaration as to non-preju	idicial disclosures or exce	ptions to lack of novelty	:

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Sheet	No	6

Box No. IX CHECK LIST; LANGUAGE OF FILING					
This international application con (a) in paper form, the following sheets:	1	item(s)	ternational application is accompanied by the following (mark the applicable check-hoxes below and indicate in flumn the number of each item):	Number of items	
request (including declaration sheets) description (excluding	. 6	_	fee calculation sheet original separate power of attorney original general power of attorney	: : 3 :	
sequence listings and/or tables related thereto) claims abstract	28 5 1	4.	copy of general power of attorney: reference number, if any:	:	
drawings Sub-total number of sheets	8 48		priority document(s) identified in Box No. VI as item(s):	:	
sequence listings tables related thereto	:		translation of international application into (language):	:	
(for both, actual number of sheets if filed in paper form, whether or not also filed in computer readable form;			or other biological material sequence listings in computer readable form (indicate type and number of carriers)	:	
see (c) helow) Total number of sheets	: 48		copy submitted for the purposes of international search under Rule 13 ter only (and not as part of the international application (and ywhere check-hox (h)(i) or (c)(i) is marked in left columns of the copy for the		
(b) only in computer readal (Section 801(a)(i)) (i) sequence listings	ble form	(iii)	additional copies including, where applicable, the copy for the purposes of international search under Rule 13ter together with relevant statement as to the identity of the copy	: -	
(ii) tables related thereto (c) also in computer readal (Section 801(a)(ii))	ole form	10.	copies with the sequence listings mentioned in left column tables in computer readable form related to sequence listings (indicate type and number of carriers)	:	
(i) sequence listings (ii) tables related thereto		· (i)	copy submitted for the purposes of international search under Section 802(b-quater) only (and not as part of the international application)	al :	
Type and number of carriers CD-ROM, CD-R or other) on contained the	s (diskette, which are	(ii)	(only where check-box (b)(ii) or (c)(ii) is marked in left column) additional copies including, where applicable, the copy for the purposes of international search under Section 802(b-quater)	· • ·	
sequence listings:		. ,	together with relevant statement as to the identity of the copy copies with the tables mentioned in left column other (specify):	:	
items 9(ii) and/or 10(ii), in rig	ght column)				
Figure of the drawings which should accompany the abstract:	none	internat	age of filing of the ENGLISH ional application:		
			T OR COMMON REPRESENTATIVE e capacity in which the person signs (if such capacity is not obvious from reading	the request).	
a. Malein	lie				
MALEWSKA, Ewa - Pater AGENT					
		— For r	receiving Office use only		
1. Date of actual receipt of the purported international application:			2. Drav	vings: :eived:	
3. Corrected date of actual receipt due to later but timely received papers or drawings completing the purported international application:					
4. Date of timely receipt of the required corrections under PCT Article 11(2):				received:	
5. International Searching Author (if two or more are competen	ority t): ISA /		6. Transmittal of search copy delayed until search fee is paid	<u></u> .	
		For Inte	ernational Bureau use only		
Date of receipt of the record copy by the International Bureau:					